OIPE IAP56
MAR 10 2006
PATENT & TRADEMARK OFFICE

09/992,552

C of C 8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Certificate
MAR 14 2006
of Correction

In re Patent of

U.S. Patent No. : 6,901,809 B2
Issued : June 7, 2005
Title : STRUCTURAL STRESS ANALYSIS
Docket No. : BAT 0031 PA

Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 8, 2006.

Attorney - James E. Beyer Reg. No. 39,564

Sir:

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 35 U.S.C. 254/255 and 37 C.F.R. 1.322/323

Enclosed herewith are the required two (2) copies of the Certificate of Correction Form PTO/SB/44 for U.S. Patent No. 6,901,809 B2. The following errors in the patent, some of which are the fault of the applicant, are of consequence and correction thereof is respectfully requested.

In the drawings, Sheet 9, Fig. 10, the dimensional projection for the term δ has been corrected;

" **U.S. Patent** **Jun. 7, 2005** **Sheet 9 of 10** **US 6,901,809 B2**

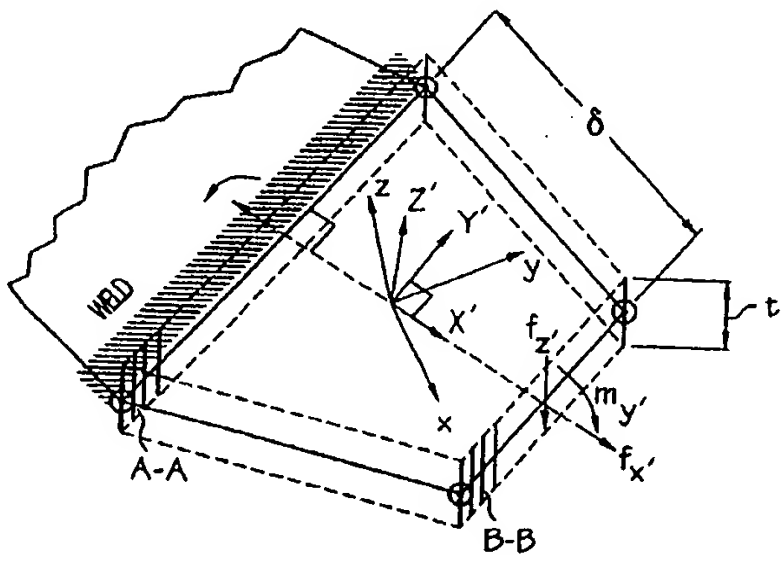

FIG. 10 "

03/13/2006 DEMMANU1 00000081 6901809
01 FC:1611 100.00 OP

MAR 16 2006

should read

-- **U.S. Patent** Jun. 7, 2005 Sheet 9 of 10 US 6,901,809 B2

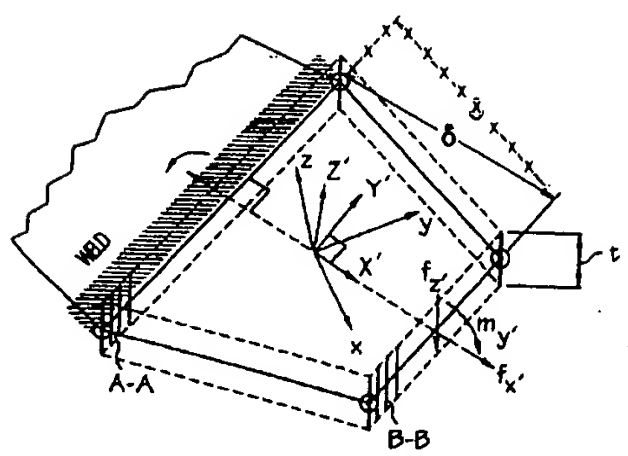

FIG. 10 --;

Col. 9, line 20, "$\sigma_m = \frac{1}{t_1}\int_0^{t_1}\sigma_x(y)dy + \frac{1}{t_1}\int_0^{\delta}\tau_{yx}(x)dx$" should read --

$\sigma_M = \frac{1}{t_1}\int_0^{t_1}\sigma_x(y)dy + \frac{1}{t_1}\int_0^{\delta}\tau_{yx}(x)dx$--;

Col. 9, line 30, "$\sigma_m\left(\frac{l_1^2}{2}\right) + \sigma_b\left(\frac{l_1^2}{6}\right)$" should read --$\sigma_m\left(\frac{t_1^2}{2}\right) + \sigma_b\left(\frac{t_1^2}{6}\right)$--;

Col. 10, line 60, "$\sigma_m' = \frac{(t-t_2)^2}{2} + \sigma_b'\frac{(t-t_2)^2}{6} = \int_0^{t-t_2}\sigma_X(y)ydy + \delta\int_0^{t-t_2}\tau_{xy}(y)dy$" should read --$\sigma_m'\frac{(t-t_2)^2}{2} + \sigma_b'\frac{(t-t_2)^2}{6} = \int_0^{t-t_2}\sigma_X(y)ydy + \delta\int_0^{t-t_2}\tau_{xy}(y)dy$--;

Col. 12, line 32, "$\sigma_s\sigma_B + \sigma_M$" should read -- $\sigma_s = \sigma_B + \sigma_M$;

Col. 14, line 43. "$\sigma_b = \sigma_b^C + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$" should read --

$\sigma_b = \sigma_b^B + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$--;

MAR 16 2006

Col. 14, line 50, "$\sigma_s = \sigma_T^C + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$" should read

--$\sigma_s = \sigma_T^B + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$--; and

Col. 15, line 19, "$\sigma_s = \sigma_T^C + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$" should read

--$\sigma_s = \sigma_T^B + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$--.

REMARKS

Where the some of the above errors are Applicant's errors, they occurred in good faith and correction thereof does not involve such changes in the patent as would constitute new matter or would require re-examination and a Certificate of Correction is respectfully requested. Enclosed is our check in the amount of $100.00 which represents the payment for the above subject matter.

Respectfully submitted,
DINSMORE & SHOHL, LLP

By _____
James E. Beyer
Registration No. 39,564

One Dayton Centre
One South Main St., Suite 1300
Dayton, Ohio 45402-2023
Telephone: (937) 449-6400
Facsimile: (937) 449-6405
JEB/AMM
Encl.

MAR 16 2006

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PATENT & TRADEMARK OFFICE

PTO/SB/17 (12-04)
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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	($)	100.00

Complete if Known	
Application Number	09/992,552; 6,901,809 B2
Filing Date	11/16/01; 06/07/05
First Named Inventor	Pingsha Dong
Examiner Name	Lilybett Martir
Art Unit	2855
Attorney Docket No.	BAT 0031 PA

METHOD OF PAYMENT (check all that apply)

☑ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☐ Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

	FILING FEES		SEARCH FEES		EXAMINATION FEES		
Application Type	Fee ($)	Small Entity Fee ($)	Fee ($)	Small Entity Fee ($)	Fee ($)	Small Entity Fee ($)	Fees Paid ($)
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee ($)	Fee Paid ($)
_____ - 20 or HP =	_____	x _____	= _____

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee ($)	Fee Paid ($)
_____ - 3 or HP =	_____	x _____	= _____

HP = highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims	
Fee ($)	Fee Paid ($)
_____	_____

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee ($)	Fee Paid ($)
_____ - 100 =	_____ / 50 =	_____ (round up to a whole number)	x _____	= _____

4. OTHER FEE(S)

	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	_____
Other: Request for Certificate of Correction	100.00

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 39,564	Telephone (937) 449-6400
Name (Print/Type)	James E. Beyer		Date 03/08/2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Filing Date	11/16/01; 06/07/05
First Named Inventor	Pingsha Dong
Examiner Name	Lilybett Martir
Art Unit	2855
Attorney Docket No.	BAT 0031 PA

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Multiple Dependent Claims: Fee ($) _____ Fee Paid ($) _____

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	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	
Other: Request for Certificate of Correction	100.00

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 39,564	Telephone (937) 449-6400
Name (Print/Type)	James E. Beyer		Date 03/08/2006

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,901,809 B2
APPLICATION NO.: 09/992,552
ISSUE DATE : June 7, 2005
INVENTOR(S) : Dong et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings, Sheet 9, Fig. 10, the dimensional projection for the term δ has been corrected;

" **U.S. Patent** **Jun. 7, 2005** **Sheet 9 of 10** **US 6,901,809 B2**

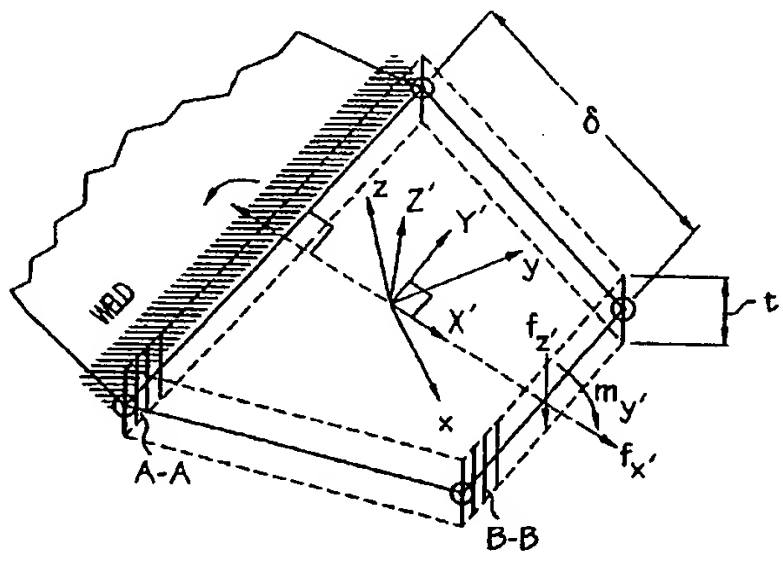

FIG. 10 "

MAILING ADDRESS OF SENDER (Please do not use customer number below):
Dinsmore & Shohl, LLP
One Dayton Centre
One South Main Street, Suite 1300
Dayton, Ohio 45402

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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U.S. Patent **Jun. 7, 2005** **Sheet 9 of 10** **US 6,901,809 B2**

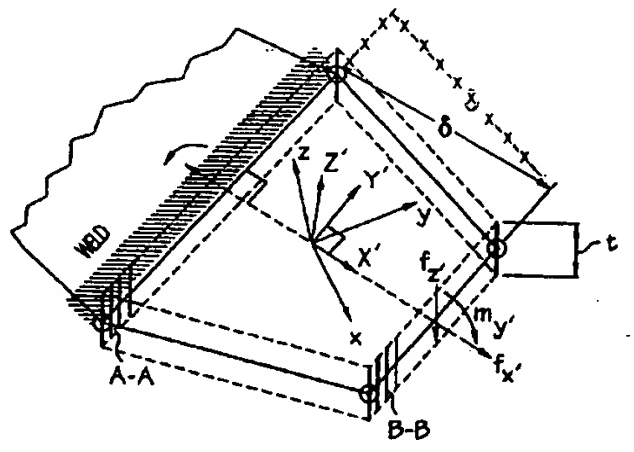

FIG. 10

--;

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APPLICATION NO.: 09/992,552

ISSUE DATE : June 7, 2005

INVENTOR(S) : Dong et al.

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Col. 9, line 20, "$\sigma_m = \frac{1}{t_1}\int_0^{t_1}\sigma_x(y)dy + \frac{1}{t_1}\int_0^{\delta}\tau_{yx}(x)dx$" should read

--$\sigma_M = \frac{1}{t_1}\int_0^{t_1}\sigma_x(y)dy + \frac{1}{t_1}\int_0^{\delta}\tau_{yx}(x)dx$--;

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Col. 10, line 60, "$\sigma_m' = \frac{(t-t_2)^2}{2} + \sigma_b' \frac{(t-t_2)^2}{6} = \int_0^{t-t_2}\sigma_X(y)ydy + \delta\int_0^{t-t_2}\tau_{xy}(y)dy$"

should read --$\sigma_m' \frac{(t-t_2)^2}{2} + \sigma_b' \frac{(t-t_2)^2}{6} = \int_0^{t-t_2}\sigma_X(y)ydy + \delta\int_0^{t-t_2}\tau_{xy}(y)dy$--;

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APPLICATION NO.: 09/992,552

ISSUE DATE : June 7, 2005

INVENTOR(S) : Dong et al.

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Col. 14, line 43. "$\sigma_b = \sigma_b^C + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$" should read

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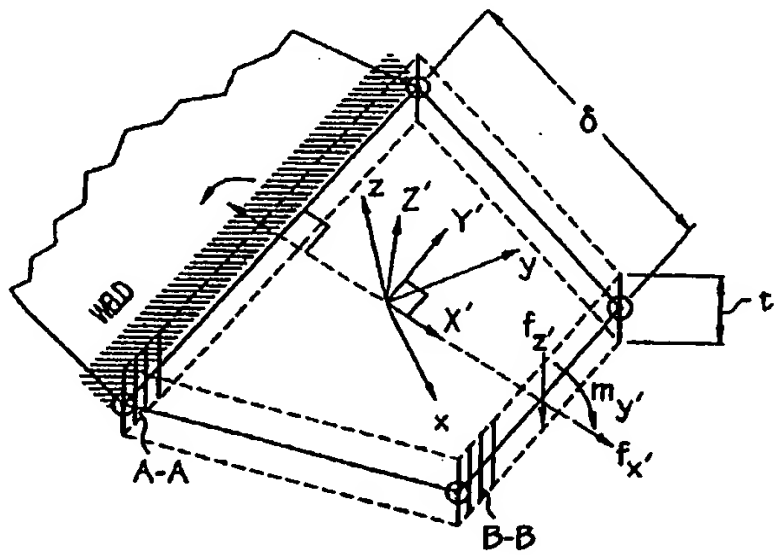

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,901,809 B2

APPLICATION NO.: 09/992,552

ISSUE DATE : June 7, 2005

INVENTOR(S) : Dong et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

should read --

U.S. Patent **Jun. 7, 2005** **Sheet 9 of 10** **US 6,901,809 B2**

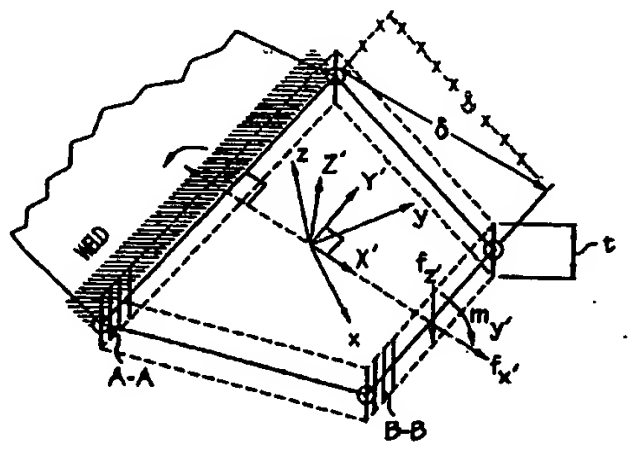

FIG. 10

--;

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Col. 9, line 20, "$\sigma_m = \frac{1}{t_1}\int_0^{t_1}\sigma_x(y)dy + \frac{1}{t_1}\int_0^{\delta}\tau_{yx}(x)dx$" should read

--$\sigma_M = \frac{1}{t_1}\int_0^{t_1}\sigma_x(y)dy + \frac{1}{t_1}\int_0^{\delta}\tau_{yx}(x)dx$--;

Col. 9, line 30, "$\sigma_m\left(\frac{l_1^2}{2}\right) + \sigma_b\left(\frac{l_1^2}{6}\right)$" should read --$\sigma_m\left(\frac{t_1^2}{2}\right) + \sigma_b\left(\frac{t_1^2}{6}\right)$--;

Col. 10, line 60, "$\sigma_m' = \frac{(t-t_2)^2}{2} + \sigma_b' \frac{(t-t_2)^2}{6} = \int_0^{t-t_2}\sigma_X(y)ydy + \delta\int_0^{t-t_2}\tau_{xy}(y)dy$"

should read --$\sigma_m' \frac{(t-t_2)^2}{2} + \sigma_b' \frac{(t-t_2)^2}{6} = \int_0^{t-t_2}\sigma_X(y)ydy + \delta\int_0^{t-t_2}\tau_{xy}(y)dy$--;

Col. 12, line 32, "$\sigma_S\sigma_B + \sigma_M$" should read --$\sigma_S = \sigma_B + \sigma_M$;

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PATENT NO. : 6,901,809 B2

APPLICATION NO.: 09/992,552

ISSUE DATE : June 7, 2005

INVENTOR(S) : Dong et al.

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Col. 14, line 43. "$\sigma_b = \sigma_b^C + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$" should read

--$\sigma_b = \sigma_b^B + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$--;

Col. 14, line 50, "$\sigma_s = \sigma_T^C + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$" should read

--$\sigma_s = \sigma_T^B + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$--; and

Col. 15, line 19, "$\sigma_s = \sigma_T^C + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$" should read

--$\sigma_s = \sigma_T^B + \frac{L}{l}\left(\sigma_b^C - \sigma_b^B\right)$--.

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